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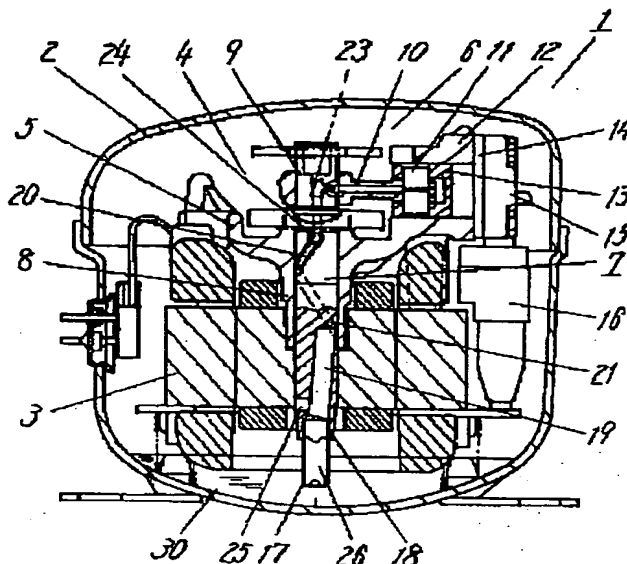
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APPLICANT : MATSUSHITA REFRIG CO LTD;

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TITLE : CLOSED TYPE ELECTRICALLY
DRIVEN COMPRESSOR



ABSTRACT : **PROBLEM TO BE SOLVED:** To sufficiently secure performance of a lubrication pump even with a rotary shaft of a comparatively small diameter by attaching the lubrication pump in a cylindrical bore formed on a lower end of the rotary shaft and forming an oblique passage and a spiral passage so as to be communicated with the cylindrical bore.

SOLUTION: In a closed type electrically driven compressor 1, a compressor unit composed of an electrically driven motor 3, a compression mechanism 4, and a block 5 for integrating them is housed in a closed casing 2. In such a compressor 1, a large end of a connecting rod 10 is connected to an eccentric shaft 9 on an upper end of a rotary shaft 7 pivoted to a bearing 8 of the block 5. A piston 13 is connected to a small end by means of a piston pin 11. An oil supply pump 17 is press-fitted and connected to a cylindrical bore 18 of a small-diameter formed on a lower end of the rotary shaft 7. An oblique passage 19 extended obliquely upward from the upper end of the cylindrical bore 18 is formed on the rotary shaft 7. A spiral groove 20 is formed so as to be communicated with the upper end of the oblique passage 19. An upper end of the spiral groove 20 is communicated with an eccentric passage 23 in the eccentric shaft 9.

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